

Notice of Allowability

Application No.

09/927,263

Examiner

Zeinab E. EL-Arini

Applicant(s)

TAN, SAMANTHA

Art Unit

1746

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the response filed on 05/26/04 and the amendment filed 6-8-04.

2. ☒ The allowed claim(s) is/are 1-6, and 22-36 (renumbered 1-21).

3. ☐ The drawings filed on _____ are accepted by the Examiner.

4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a) ☐ All b) ☐ Some* c) ☐ None of the:

1. ☐ Certified copies of the priority documents have been received.

2. ☐ Certified copies of the priority documents have been received in Application No. _____.

3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

6. ☒ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.

(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached

1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.

(b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)

2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date 060904

4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material

5. ☐ Notice of Informal Patent Application (PTO-152)

6. ☒ Interview Summary (PTO-413),
Paper No./Mail Date 060904

7. ☒ Examiner's Amendment/Comment

8. ☒ Examiner's Statement of Reasons for Allowance

9. ☐ Other _____

Zeinab E. EL-Arini
Zeinab E. EL-Arini
Primary Examiner
Art Unit: 1746

DETAILED ACTION

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with MR. Kudla on 06/09/04, and MR. Hichman on 06/08/04.

The application has been amended as follows:

In claim 23, line 1, after "wherein", "the" has been changed to read "a".

In claim 24, line 2, after "is", "the" has been changed to read "a". At line 3, after "surface", ---"of"---has been inserted. At line 4, before "depth", "said" has been changed to read "a".

In claim 26, line 3, after "upon", "the" has been changed to read "a".

In claim 30, line 1, after "wherein", ---"the part is a ceramic part and"--
-has been inserted, and after "process", "used for a ceramic part" has been
deleted.

In claim 31, line 2, "bathj" has been changed to read "bath".

In claim 33, line 1, after "wherein", ---"the part further comprises a
textured ceramic surface and"---has been inserted. At line 2, before
"textured", "a" has been changed to read "the", and before "comprises", "of
said part" has been deleted. At line 6, after "said", "part part" has been
changed to read "part".

The title has been changed to read "Method for cleaning
semiconductor fabrication equipment parts".

In the specification, page 1, line 11, "2001" has been changed to read
"2000".

Drawings

The application having been allowed, formal drawings are required in
response to this office action.

2. Claims 1-6, and 22-36 are allowed.

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Tan (6,607,605) teaches cleaning of semiconductor process equipment chamber parts using organic solvent.

3. The following is an examiner's statement of reasons for allowance:

The prior art of record failed to teach a process for cleaning semiconductor fabrication equipment parts comprising: determining a definition for a clean part including multiple maximum impurity levels; determining an initial multiple impurity levels of a part prior to its cleaning; determining a cleaning process to apply to the part; applying the cleaning process to the part, wherein the cleaning process creates reduced multiple impurity levels for the part below that of said initial multiple impurity levels; determining said reduced multiple impurity levels; comparing said reduced multiple impurity levels against said multiple maximum acceptable impurity levels of said definition; and repeating the application of said cleaning process to said part if said reduced multiple impurity levels do not meet said definition of a clean part as claimed.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays,

should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Zeinab E. EL-Arini whose telephone number is (571) 272-1301. The examiner can normally be reached on Monday-Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Randy Gulakowski can be reached on (571) 272-1302. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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ZEE
06/09/04